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Global Institute of Medical Sciences
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1. Ramdevi presented with generalised edema, sweating and flushing tachycardia and fever after sitting bite. This is:
   a. T cell mediated cytotoxicity
   b. IgE mediated reaction
   c. IgG mediated reaction
   d. IgA mediated hypersensitivity reaction

2. A 61-year-old woman with a 10-year history of rheumatoid arthritis presents with painful swelling at the back of the knee that is visible on physical examination only when the knee is extended. Which of the following is the most likely diagnosis?
   a. Anserine bursitis
   b. Bakers cyst
   c. Deep venous thrombosis
   d. Prepatellar bursitis

3. Burden of disease is best indicated by:
   a. Doctor-population ratio
   b. IMR
   c. Survival index
   d. Disability adjusted life year (DALY)

4. Which of the following can be best used to compare health status of two countries?
   a. IMR
   b. Proportionate mortality rate
5. The medial branch of external cartoid artery is:
   a. Ascending pharyngeal artery
   b. Lingual artery
   c. Internal maxillary artery
   d. Superior thyroid artery

6. All are tributaries of cavenous sinus Except:
   a. Superficial middle cerebral vein
   b. Inferior ophthalmic vein
   c. Superior petrosal sinus
   d. Sphenoparietal sinus

7. In leprosy, the best bacteriocidal agent is:
   a. Clofazimine
   b. Dapsone
   c. Rifampcine
   d. Ethionamide

8. The effective and safe drug for intractable pain in terminal cancer stage is:
   a. Injectable pethidine
   b. Injectable ketamine
   c. Oral Brufen
   d. Oral Morphine

9. A 29 year old woman was found to have a hemoglobin of 7.8 g/dl. With a reticulocyte count of 0.8%. The peripheral blood smear showed microcytic, hypochromic anemia. Hemoglobin A2 and hemoglobin F levels were 2.4% and 1.3% respectively. The serum iron 8 me
   a. Iron deficiency anemia
   b. B-thallessemia minor
   c. Sideroblastic anemia
10. A 41-year-old patient presented with chronic diarrhea for 3 months. A d-xylose absorption test was ordered to look for:
   a. Carbohydrate mal absorption due to mucosal disease
   b. Carbohydrate mal absorption due to chronic pancreatitis
   c. Fat mal absorption due to mucosal disease
   d. Fat mal absorption due to chronic Pancreatitis

11. Best parameter for estimation of fetal age by ultrasound in third trimester is:
   a. Femur length
   b. Biparietal diameter
   c. Abdominal circumference
   d. Inter-ocular distance

12. A 38-year-old gentleman reports of decreased hearing in right ear for the past 2 years. On testing with a 512 Hz tuning fork the Rinne's test (without masking) is negative on the right ear and positive on left ear. With the weber's a test being perceived
   a. Right conductive hearing loss
   b. Right sensorineural hearing loss
   c. Left sensorineural hearing loss
   d. Left conductive hearing loss

13. The following statements about meningococcal meningitis are true except:
   a. The source of infection is mainly clinical cases
   b. The disease is more common in dry and cold months of the year
c. Chemoprophylaxis of close contacts of cases is recommended

d. The vaccines is not affective in children below 2 year of ago

14. For controlling an outbreak of cholera, all of the following measures are recommended except:
   a. Mass chemprophylaxia
   b. Proper disposal of excreta
   c. Chlorination of water
   d. Early detection and management of cases

15. A 20 year old woman gives a history of sharp pain in the lower abdomen for 2-3 days every month approximately 2 weeks before the menses. The most probable etiology for her pain is:
   a. Endometriosis
   b. Dysmenorrhea
   c. Pelvic tuberculosis
   d. Mittelschmerz
16. A 55-year old woman has recurrent urinary retention after a hysterectomy done for a huge fibroid. The most likely cause is:
   a. Atrophic and stenotic urethra
   b. Lumbar disc prolapsed
   c. Injury to the bladder neck
   d. Injury to the hypogastric plexi

17. Proximal renal tubule is most permeable to
   a. Sodium
   b. Potassium
   c. Bicarbonate
   d. Ammonia

18. Insulin clearance closely resembles
   a. G.F.R
   b. Renal plasma flow
   c. Creatinine clearance
   d. P.A.H. clearance

19. Winging of scapula is due to paralysis of
   a. Deltoid
   b. Trapezius
   c. Serratus anterior
   d. Rhomboid major
20. Which of the following is not compatible with a diagnosis of juvenile myelomonocytic leukemia:
   a. Chromosomal evaluation
   b. Bone marrow aspiration
   c. Flow cytometric analysis
   d. Determination of red blood cell mass

21. The following muscles perform flexion at wrist joint except
   a. Flexor carpi ulnaris
   b. Flexor digitorum superficialis
   c. Flexor digitorum profundus
   d. Brachioradialis

22. All of the following arteries supply the mammary gland except
   a. Subscapular
   b. Thoracoacromial
   c. Lateral thoracic
   d. Internal thoracic

23. In the cubital fossa, the medial most structure is
   a. Brachial artery and its bifurcation
   b. Tendon of biceps brachii
   c. Median nerve
   d. Radial nerve and its deep branch

24. In a patient with acute leukemia, immuno-pheno-type pattern is CD 19+ve, CD 33+ve, CD 13+ve. He may probably have:
   a. Biphenotypic
   b. ALL
   c. AML-M2
   d. AML-M0

25. Lymphocytic and histiocytic variant of cell is seen in:
26. Which of the following lymphomas is associated with HTLV-I virus infection:
   a. Burkitt's lymphoma
   b. B-cell lymphoma
   c. Adult T-cell leukemia and lymphoma
   d. Hodgkin's disease

27. In an individual with normal platelet consumption, each unit of Single Donor Apheresis Platelets (SDAP) transfusion should yield in the recipient the acceptable Corrected count Increment (CCI) of platelets of:
   a. $7.5 \times 10^9$/ml
   b. $15 \times 10^9$/ml
   c. $10 \times 10^9$/ml
   d. $20 \times 10^9$/ml

28. Autoimmune destruction of platelet is seen in:
   a. SLE
   b. Rheumatoid arthritis
   c. Reiter disease
   d. Polyarteritis nodosa
29. Von Willebrand's disease is characterised by the following features except:
   a. Abnormal APTT (activated plasma thromboplastin time)
   b. Prolonged bleeding time
   c. **Low level of factor IX**
   d. Transmitted as an autosomal trait

30. All of the following immunohistochemical markers are positive in the neoplastic cells of granulocytic sarcoma, EXCEPT:
   a. **CD 45 RO**
   b. CD 43
   c. Myeloperoxidase (MPO)
   d. Lysozyme

31. Which fracture neck of femur has a poor prognosis
   a. Intra capsular
   b. Extracapsular
   c. Both
   d. None

32. Tardy ulnar nerve palsy is seen in
   a. **Cubitus Valgus**
   b. Dislocation of elbow
   c. Fracture scaphoid
   d. Supracondylar fracture of humerus

33. Uterine - cervix ratio up to 10 years of age is
   a. 3:2
   b. 2:1
   c. 3:2
   d. **1:2**

34. The ideal age for repair of vaginal agenesis is
   a. 3 years
   b. at puberty
35. Which worm causes myocaridtis
   a. Trichuris
   b. Trichinella
   c. Enterobius
   d. Strongyloides

36. The most common tumour of the heart
   a. Myxoma
   b. Angioma
   c. Mesothelioma
   d. Rhabdomyoma

37. Uric acid levels are increased in all except
   a. Pre eclampsia
   b. Hodgkins lymphoma
   c. Leukemia
   d. Pregnancy

38. Buerger waves (alpha waves) of EEG have the rhythm per sec of
   a. 0-4
   b. 4-7
   c. 8-13
   d. 13-30

39. Fundus picture of stage 2 of keith wagner classification includes
   a. Copper wire AV nipping and focal spasm
   b. Silver wire, increased reflex
   c. Exudate and hemorrhagic spots
   d. Papilloedema
40. Cells in chronic lymphocytic leukemia are equivalent to cells of
   a. Sezary syndrome
   b. mycosis fungoides
   c. small cell lymphocytic lymphoma
   d. immunoblastic lymphoma

41. The most common and ultimately lethal extramedullary complication of multiple myeloma is
   a. amyloidosis of the liver
   b. amyloidosis of the brain
   c. kidney disease
   d. peritonitis

42. In a patient with UTI, CLED (Cystine, Lactose Electrolyte Deficient) Media is preferred over Mac Conkeys media because
   a. It is a differential medium
   b. Inhibits swarming of Proteus
   c. Promotes growth of Pseudomonas
   d. Promotes growth of staph aureus and Candida

43. Cystine lactose enzyme deficient medium CLED is preferred over Mc Conkey agar in UTI because
   a. Former prevents swarming of proteus
   b. Is a selective medium
   c. Prevents growth of pseudomonas
   d. Promotes growth of candida and staphylococcus

44. Exaltation is
   a. Decreased virulence
   b. Increased virulence
   c. No change
   d. None
45. The cardiac anomaly seen in Osler-Rendu Weber syndrome
   a. PS
   b. VSD
   c. Dilated cardiomyopathy
   d. High output failure

46. Lipopolysaccharide structure is characteristic
   a. Exotoxin
   b. Endotoxin
   c. Both
   d. None

47. Prolonged clotting time is a diagnostic feature of
   a. Thrombocytopenic purpura
   b. Haemophilia
   c. Thrombosthenia
   d. None of the above

48. Coagulation time is prolonged in all except
   a. Hemophilia
   b. Von Willebrand's disease
   c. Christmas disease
   d. ITP

49. Lipid peroxidation in cells exposed to ionizing radiation is initiated by
   a. Catalase
   b. Superoxide
   c. hydroxyl radical.
   d. hydrogen peroxide

50. Drugs significantly affected by enzyme induction include the following, EXCEPT
   a. Barbitone
   b. Chlorpromazine
c. Diphenyl-hydantoin
d. Warfarin

51. Drugs mostly cross biological membranes by
   a. Passive diffusion
   b. Active diffusion
   c. Active transport
   d. Carrier mediated transport

52. Zero order kinetics is seen with
   a. Phenytoin
   b. Phenobarbital
   c. Erythromycin
   d. Digoxin

53. Meig syndrome is most commonly seen with
   a. Fibroma
   b. Dysgerminoma
   c. Papilly cystadenocarcinoma
   d. Granulosa cell tumour

54. Carcinoma of penis is rarest among
   a. Americans
   b. Indians
   c. Swedes
   d. Jews

55. Verrucous carcinoma is an
   a. Extremely well differentiated squamous cell carcinoma
   b. Poorly differentiated squamous cell carcinoma
   c. Example of condyloma
   d. An example of adenocarcinoma

56. All are highly plasma protein bound, EXCEPT
   a. Warfarin
   b. Atenolol
   c. Digitoxin
Phenytoin

57. Ovarian Ca associated with endometrial hyperplasia
   a. Dysgerminoma
   b. Granulosa cell tumour
   c. Fibroma
   d. Mucinous

58. Carbon tetrachloride, acetaminophen, and bromobenzene - three well-known hepatotoxins - form reactive toxic metabolites within the liver cells after they have been metabolized in the
   a. nucleus.
   b. Nucleolus
   c. Golgi apparatus
   d. smooth endoplasmic reticulum.

59. All of the following are contraindicated in pregnancy EXCEPT
   a. Warfarin
   b. Tetracycline
   c. Lithium
   d. Ampicillin

60. Verrucous carcinoma is an
   a. Extremely well differentiated squamous cell carcinoma
   b. Poorly differentiated squamous cell carcinoma
   c. Example of condyloma
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